

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION**

ORDER N° 96-123

SITE CLEANUP REQUIREMENTS FOR:

NAPA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

for the property located at

**EAST SIDE OF MAIN STREET BETWEEN THIRD AND FOURTH STREETS
NAPA, NAPA COUNTY, CALIFORNIA**

**The California Regional Water Quality Control Board, San Francisco Bay Region
(hereinafter the Board), finds that:**

1. **Site Location:** The property located on the east side of Main Street between Third and Fourth Streets, Napa, Napa County (site) is approximately 38,400 square feet in area. According to 1992 aerial photographs, two commercial buildings occupy the site's northwest corner. The site is bordered on the north by Third Street, the south by Fourth Street, the east by the Napa River, and the west by Third Street. Surrounding land use is primarily commercial/industrial.
2. **Site History:**
 - a. Service stations, automobile sales and repair facilities, a distillery, a printing business, a paint spraying business, an electrical welding shop, a battery shop, a Greyhound Bus Lines depot, and a dental laboratory were among the former onsite businesses.
 - b. On December 1, 1987, Napa County Flood Control and Water Conservation District acquired ownership of the property.
 - c. Three underground tanks were located in the central west portion of the site. Two tanks of 6,000 gallons capacity contained regular leaded and/or diesel fuel. The third tank was a 500-gallon waste oil tank. According to Napa Fire Department records, the City of Napa issued permits on March 1, 1989 for removal of the three underground tanks.
 - d. A total of 18 monitoring wells have been installed on and off site. Recent groundwater sampling results showed a maximum concentrations of 5,700 ug/l gasoline and 2,600 ug/l diesel in groundwater.
3. **Named Dischargers:** The Board finds Napa County Flood Control and Water

Conservation District as the primary discharger. (Napa County Flood Control and Water Conservation District is hereinafter referred to as "Discharger".) As the owner and operator of the facility and based upon past chemical usage, and operations described in finding 2 above, the Discharger is responsible for meeting the requirements of this order.

If additional information is submitted indicating that other parties caused or permitted any waste to be discharged on the site where it entered or threatened to enter waters of the state, the Board will consider adding that party's name to this order.

4. **Regulatory Status:** This site is currently not subject to Board order.
5. **Site Hydrogeology:** Shallow groundwater underlying the site occurs at a depth of approximately 12 to 15 feet below ground surface and flows to the east-southeast.
6. **Remedial Investigation:** The pollutants of concern at the site are benzene, toluene, ethyl-benzene, xylene (BTEX), and total petroleum hydrocarbons as gasoline (TPH-g) and diesel (TPH-d).
 - a. According to the Site Remediation Plan prepared by Subsurface Consultants, April 20, 1990, eleven monitoring wells were installed on the subject site and in the immediate offsite area. Two portions of the site were found to be highly contaminated. One location was in the central west portion where the former Lincoln-Mercury dealership had been located, and the other was in the northeast portion of the site where the gasoline station formerly existed. Soil contamination was as high as 1000 ppm TPH-g and 8100 ppm oil and grease. TPH-g, TPH-d, and BTEX were found to exist in several monitoring wells with benzene as high as 86 ppb.
 - b. Kleinfelder, Inc. prepared a Preliminary Site Assessment for the site, dated July 9, 1992, at the request of the U.S. Army Corps of Engineers.
7. **Nearby Sites:** Veteran's Memorial Park is located immediately north of the site, on the north side of Third Street.
8. **Interim Remedial Measures:** A localized zone of soil contamination associated with a hydraulic cylinder was removed in September 1989. Oil and grease were detected at concentrations as high as 8,100 ppm.
9. **Basin Plan:** The Board adopted a revised Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) on June 21, 1995. This updated and

consolidated plan represents the Board's master water quality control planning document. The revised Basin Plan was approved by the State Water Resources Control Board and the Office of Administrative Law on July 20, 1995, and November 13, 1995, respectively. A summary of regulatory provisions is contained in 23 CCR 3912. The Basin Plan defines beneficial uses and water quality objectives for waters of the State, including surface waters and groundwaters.

The potential beneficial uses of groundwater underlying and adjacent to the site include:

- a. Municipal and domestic water supply
- b. Freshwater replenishment to surface waters
- c. Industrial process water supply
- d. Agricultural water supply

The existing and potential beneficial uses of the Napa River, San Pablo Bay, and contiguous surface waters include:

- a. Water contact and non-water contact recreation
- b. Fresh water replenishment
- c. Wildlife habitat
- d. Preservation of areas of special biological significance
- e. Fish migration and spawning
- f. Navigation
- g. Estuarine habitat
- h. Ocean commercial and sportfishing
- i. Preservation of rare and endangered species

10. **Other Board Policies:** Board Resolution No. 88-160 allows discharges of extracted, treated groundwater from site cleanups to surface waters only if it has been demonstrated that neither reclamation nor discharge to the sanitary sewer is technically and economically feasible.

Board Resolution No. 89-39, "Sources of Drinking Water," defines potential sources of drinking water to include all groundwater in the region, with limited exceptions for areas of high TDS, low yield, or naturally-high contaminant levels.

11. **State Water Board Policies:** State Water Board Resolution No. 68-16, "Statement of Policy with Respect to Maintaining High Quality of Waters in California," applies to this discharge and requires attainment of background levels of water quality, or the highest level of water quality which is reasonable if background levels of water quality cannot be restored. Cleanup levels other than background must be consistent with the maximum

benefit to the people of the State, not unreasonably affect present and anticipated beneficial uses of such water, and not result in exceedance of applicable water quality objectives.

State Water Board Resolution No. 92-49, "Policies and Procedures for Investigation and Cleanup and Abatement of Discharges Under Water Code Section 13304," applies to this discharge. This order and its requirements are consistent with the provisions of Resolution No. 92-49, as amended.

12. **Preliminary Cleanup Goals:** The discharger will need to make assumptions about future cleanup standards for soil and groundwater, in order to determine the necessary extent of remedial investigation, interim remedial actions, and the draft cleanup plan. Pending the establishment of site-specific cleanup standards, the following preliminary cleanup goals should be used for these purposes:

- a. Groundwater: Applicable water quality objectives (e.g. maximum contaminant levels, or MCLs) or, in the absence of a chemical-specific objective, risk-based levels (e.g. drinking water equivalent levels). Based upon the site history, the following groundwater cleanup goals are applicable:

Constituent	Objective	Source of Objective
Benzene	0.34 ug/l	Best Professional Judgement (BPJ)
Toluene	150 ug/l	CA Primary MCL
Ethyl-benzene	680 ug/l	CA Primary MCL
Xylene	1750 ug/l	CA Primary MCL
TPH-g	100 ug/l	BPJ
TPH-d	100 ug/l	BPJ

- b. Soil: 1 mg/kg total volatile organic compounds (VOCs), 10 mg/kg total semi-volatile organic compounds (SVOCs), and background concentrations of metals.

13. **Basis for 13304 Order:** The dischargers have caused or permitted waste to be discharged or deposited where it is or threatens to be discharged into waters of the State and creates or threatens to create a condition of pollution or nuisance.

14. **Cost Recovery:** Pursuant to California Water Code Section 13304, the dischargers are hereby notified that the Board is entitled to, and may seek reimbursement for, all reasonable costs actually incurred by the Board to investigate unauthorized discharges of waste and to oversee cleanup of such waste, abatement of the effects thereof, or other remedial action, required by this order.
15. **CEQA:** This action is an order to enforce the laws and regulations administered by the Board. As such, this action is categorically exempt from the provisions of the California Environmental Quality Act (CEQA) pursuant to Section 15321 of the Resources Agency Guidelines.
16. **Notification:** The Board has notified the dischargers and all interested agencies and persons of its intent under California Water Code Section 13304 to prescribe site cleanup requirements for the discharge, and has provided them with an opportunity to submit their written comments.
17. **Public Hearing:** The Board, at a public meeting, heard and considered all comments pertaining to this discharge.

IT IS HEREBY ORDERED, pursuant to Section 13304 of the California Water Code, that the dischargers (or their agents, successors, or assigns) shall cleanup and abate the effects described in the above findings as follows:

A. PROHIBITIONS

1. The discharge of wastes or hazardous substances in a manner which will degrade water quality or adversely affect beneficial uses of waters of the State is prohibited.
2. Further significant migration of wastes or hazardous substances through subsurface transport to waters of the State is prohibited.
3. Activities associated with the subsurface investigation and cleanup which will cause significant adverse migration of wastes or hazardous substances are prohibited.

B. TASKS

1. SITE ASSESSMENT WORKPLAN

COMPLIANCE DATE: November 1, 1996

Submit a workplan acceptable to the Executive Officer to define the vertical and lateral extent of soil and groundwater pollution. The workplan should specify investigation methods and a proposed time schedule. Work may be phased to allow the investigation to proceed efficiently.

2. COMPLETION OF SITE ASSESSMENT

COMPLIANCE DATE: Within 90 days of the Executive Officer's approval of the final phase of the workplan specified in Task 1.

Submit a technical report acceptable to the Executive Officer documenting completion of necessary tasks identified in the Task 1 workplan. The technical report should define the vertical and lateral extent of pollution down to concentrations at or below typical cleanup standards for soil and groundwater.

3. INTERIM REMEDIAL ACTION WORKPLAN

COMPLIANCE DATE: Within 90 days of the completion of the site assessment specified in Task 2.

Submit a workplan acceptable to the Executive Officer to evaluate interim remedial action alternatives and to recommend one or more alternatives for implementation. The interim remedial actions should accomplish pollutant source removal. The workplan should specify a proposed time schedule and an assessment of benefits and costs associated with joint cleanup performed with neighboring parties. Work may be phased to allow the investigation to proceed efficiently. If groundwater extraction is selected as an interim remedial action, then one task may be the completion of an NPDES permit application for discharge of extracted, treated groundwater to waters of the State.

4. COMPLETION OF INTERIM REMEDIAL ACTIONS

COMPLIANCE DATE: Within 90 days of the Executive Officer's approval of the workplan specified in Task 3.

Submit a technical report acceptable to the Executive Officer documenting completion of necessary tasks identified in the Task 3 workplan. For ongoing actions, such as soil vapor extraction or

groundwater extraction, the report should document start-up as opposed to completion.

5. PROPOSED FINAL REMEDIAL ACTIONS AND CLEANUP STANDARDS

COMPLIANCE DATE: July 1, 1997

Submit a technical report acceptable to the Executive Officer containing:

- a. Results of the site assessment
- b. Evaluation of the installed interim remedial actions
- c. Feasibility study evaluating alternative final remedial actions, one alternative should include cooperative cleanup with neighboring parties
- d. Risk assessment for current and post-cleanup exposures at the discharger's option
- e. Recommended final remedial actions and cleanup standards
- f. Implementation tasks and time schedule

Items b and c should include projections of cost, effectiveness, benefits, and impact on public health, welfare, and the environment of each alternative action.

Items a through c should be consistent with the state UST corrective action regulations, 23 Cal Code Reg. Sections 2720-2725, Health and Safety Code Section 25356.1(c), and State Board Resolution No. 92-49 as amended ("Policies and Procedures for Investigation and Cleanup and Abatement of Discharges Under Water Code Section 13304").

- 6. DELAYED COMPLIANCE:** If the discharger is delayed, interrupted, or prevented from meeting one or more of the completion dates specified for the above tasks, the discharger shall promptly notify the Executive Officer and the Board may consider revision to this Order.

C. PROVISIONS

1. **No Nuisance:** The storage, handling, treatment, or disposal of polluted soil or groundwater shall not create a nuisance as defined in California Water Code Section 13050(m).
2. **Good O&M:** The dischargers shall maintain in good working order and operate as efficiently as possible any facility or control system

installed to achieve compliance with the requirements of this Order.

3. **Cost Recovery:** The dischargers shall be liable, pursuant to California Water Code Section 13304, to the Board for all reasonable costs actually incurred by the Board to investigate unauthorized discharges of waste and to oversee cleanup of such waste, abatement of the effects thereof, or other remedial action, required by this Order. If the site addressed by this Order is enrolled in a State Water Resources Control Board managed reimbursement program, reimbursement shall be made pursuant to this Order and according to the procedures established in that program. Any disputes raised by the dischargers over reimbursement amounts or methods used in that program shall be consistent with the dispute resolution procedures for that program.
4. **Access to Site and Records:** In accordance with California Water Code Section 13267(c), the dischargers shall permit the Board or its authorized representative:
 - a. Entry upon premises in which any pollution source exists, or may potentially exist, or in which any required records are kept, which are relevant to this Order.
 - b. Access to copy any records required to be kept under the requirements of this Order.
 - c. Inspection of any monitoring or remediation facilities installed in response to this Order.
 - d. Sampling of any groundwater or soil which is accessible, or may become accessible, as part of any investigation or remedial action program undertaken by the dischargers.
5. **Contractor Qualifications:** All technical documents (plans, specifications, and reports) shall be signed by and stamped with the seal of a California registered geologist, a California certified engineering geologist, or a California registered civil engineer.
6. **Lab Qualifications:** All samples shall be analyzed by State-certified laboratories or laboratories accepted by the Board using approved EPA methods for the type of analysis to be performed. All laboratories shall maintain quality assurance/quality control (QA/QC) records for Board review. This provision does not apply to analyses that can only reasonably be performed on-site (e.g. temperature).
7. **Technical Documents:** All technical reports submitted in compliance with this Order shall be satisfactory to the Executive Officer, and, if necessary, the Dischargers may be required to submit additional information.


8. **Document Distribution:** Copies of all correspondence, technical reports, and other documents pertaining to compliance with this Order shall be provided to the following agencies:
 - a. City of Napa, Dept. of Public Works, Attn: Bob Sorsen
 - b. Napa County Department of Environmental Management, Attn: Jill Pahl.
9. **Reporting of Changed Owner or Operator:** The dischargers shall file a technical report on any changes in site occupancy or ownership associated with the property described in this Order.
10. **Reporting of Hazardous Substance Release:** If any hazardous substance is discharged in or on any waters of the State, or discharged or deposited where it is discharged or threatens to be discharged in or on any waters of the State, the dischargers shall report such discharge to the Regional Board by calling (510) 286-1255 during regular office hours (Monday through Friday, 8:00 to 5:00).

A written report shall be filed with the Board within five working days. The report shall describe: the nature of the hazardous substance, estimated quantity involved, duration of incident, cause of release, estimated size of affected area, nature of effect, corrective actions taken or planned, schedule of corrective actions planned, and persons/agencies notified.

This reporting is in addition to reporting to the Office of Emergency Services required pursuant to the Health and Safety Code.

11. **Periodic Site Cleanup Requirement Review:** The Board will review this Order periodically and may revise it when necessary.

I, Loretta K. Barsamian, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on September 18, 1996.


Loretta K. Barsamian
Executive Officer

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FAILURE TO COMPLY WITH THE REQUIREMENTS OF THIS ORDER MAY SUBJECT
YOU TO ENFORCEMENT ACTION, INCLUDING BUT NOT LIMITED TO:
IMPOSITION OF ADMINISTRATIVE CIVIL LIABILITY UNDER WATER CODE
SECTIONS 13267 OR 13350, OR REFERRAL TO THE ATTORNEY GENERAL FOR
INJUNCTIVE RELIEF OR CIVIL OR CRIMINAL LIABILITY

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